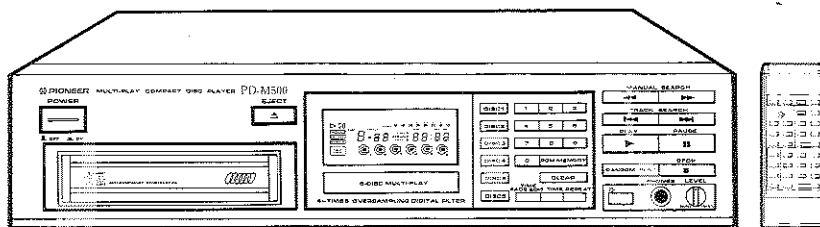# Operating Instructions

MULTI-PLAY COMPACT DISC PLAYER
PD-M500

COMPACT

disc

DIGITAL AUDIO

Thank you for buying this Pioneer product.
Please read through these operating instructions so you will
know how to operate your model properly. After you have
finished reading the instructions, put them away in a safe
place for future reference.
In some countries or regions, the shape of the power plug
and power outlet may sometimes differ from that shown in
the explanatory drawings. However, the method of con-
necting and operating the unit is the same.

WARNING:TO PREVENT FIRE OR SHOCK HAZ-
ARD, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR
MOISTURE.

IMPORTANT NOTICE
[For U.S. and Canadian models]
The serial number for this equipment is located on the rear
panel. Please write this serial number on your enclosed war-
ranty card and keep it in a secure area. This is for your
security.

[For Canadian model]
CAUTION:TO PREVENT ELECTRIC SHOCK DO
NOT USE THIS (POLARIZED) PLUG WITH AN EXTENSION
CORD, RECEPTACLE OR OTHER OUTLET UNLESS THE
BLADES CAN BE FULLY INSERTED TO PREVENT BLADE
EXPOSURE.

ATTENTION:POUR PREVENIR LES CHOCS
ELECTRIQUES NE PAS UTILISER CETTE FICHE POLARISEE
AVEC UN PROLONGATEUR UNE PRISE DE COURANT OU
UNE AUTRE SORTIE DE COURANT, SAUF SI LES LAMES
PEUVENT ETRE INSEREES A FOND SANS EN LAISSER
AUCUNE PARTIE A DECOUVERT.

"This product is manufactured to comply with the radio inter-
ference requirements of EEC Directive 76/889/EEC and
82/499/EEC."

LINE VOLTAGE SELECTOR SWITCH
Only multi-voltage models are provided with this
switch. U.S., Canadian, European, U.K., and Austra-
lian models are not provided with this switch.
Mains voltages in Saudi Arabia are 127V and 220V
only. Never use this model with 110V setting in
Saudi Arabia.

The line voltage selector switch is located on the rear
panel of this player. Before your player is shipped from
the factory, the switch is set to the power requirements
of the player's destination. Check that it is set properly
before plugging the power cord into the outlet. If the
voltage is not properly set or if you move to an area where
the voltage requirements differ, adjust the selector switch
as follows:
- Provide yourself with a medium-sized (flat-blade)
  screwdriver. Insert the tip of the screwdriver into the
  groove of the selector switch and turn it so that the
  power voltage marking of your area points to the arrow.

VOLTAGE SELECTOR

(Ω) PIONEER®
The future of sound and vision.

IMPORTANT 1

The lightning flash with arrowhead, within an equi lateral triangle, is intended to alert the user of the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons

CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN

CAUTION:
TO PREVENT THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

The exclamation point within an equilateral triangle is intended to alert the user of the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

IMPORTANT 2

If the apparatus is fitted with AC mains power outlet(s), see REAR PANEL FACILITIES for convenient connection of additional Hi-Fi component(s). Make all connections to the AC outlet(s) and the signal terminals first. Connect the plug to the wall socket last, make sure that the power switch is off.

FOR USE IN THE UNITED KINGDOM

The wires in this mains lead are coloured in accordance with the following code:
Blue: Neutral
Brown: Live

As the colours of the wires in the mains lead of this apparatus may not correspond with the coloured marking identifying the terminals in your plug proceed as follows:
The wire which is coloured blue must be connected to the terminal which is marked with the letter N or coloured black
The wire which is coloured brown must be connected to the terminal which is marked with the letter L or coloured red
Equipment sold in the U.K. is not supplied with a power plug

SAFETY INSTRUCTIONS

READ INSTRUCTIONS — All the safety and operating instructions should be read before the appliance is operated.

RETAIN INSTRUCTIONS — The operating instructions should be retained for future reference.

HEED WARNING — All warnings on the appliance and in the operating instructions should be adhered to.

FOLLOW INSTRUCTIONS — All operating and use instructions should be followed.

WATER AND MOISTURE — The appliance should not be used near water — for example, near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement, or near a swimming pool, etc.

LOCATION — The appliance should be installed in a stable location.

WALL OR CEILING MOUNTING — The appliance should not be mounted to a wall or ceiling.

VENTILATION — The appliance should be situated so that its location or position does not interfere with its proper ventilation. For example, the appliance should not be situated on a bed, sofa, rug, or similar surface that may block the ventilation openings; or, placed in a built-in installation, such as a bookcase or cabinet that may impede the flow of air through the ventilation openings.

HEAT — The appliance should be situated away from heat sources such as radiators, heat registers, stoves, or other appliances (including amplifiers) that produce heat.

POWER SOURCES — The appliance should be connected to a power supply only of the type described in the operating instructions or as marked on the appliance.

POWER-CORD PROTECTION — Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the appliance.

POLARIZATION — If your purchased product is provided with a polarized power plug, please read the following instructions This product is equipped with a polarized alternating current line plug (a plug having one blade wider than the other) This plug will fit into the power outlet only one way This is a safety feature If you are unable to insert the plug fully into the outlet, try reversing the plug If the plug should still fail to fit, contact your electrician to replace your obsolete outlet Do not defeat the safety purpose of the polarized plug

CLEANING — The appliance should be cleaned only with a polishing cloth or a soft dry cloth Never clean with furniture wax, benzine, insecticides or other volatile liquids since they may corrode the cabinet

POWER LINES — An outdoor antenna should be located away from power lines.

NONUSE PERIODS — The power cord of the appliance should be unplugged from the outlet when left unused for a long period of time.

OBJECT AND LIQUID ENTRY — Care should be taken so that objects do not fall and liquids are not spilled into the enclosure through openings.

DAMAGE REQUIRING SERVICE — The appliance should be serviced by a Pioneer authorized service center or qualified service personnel when
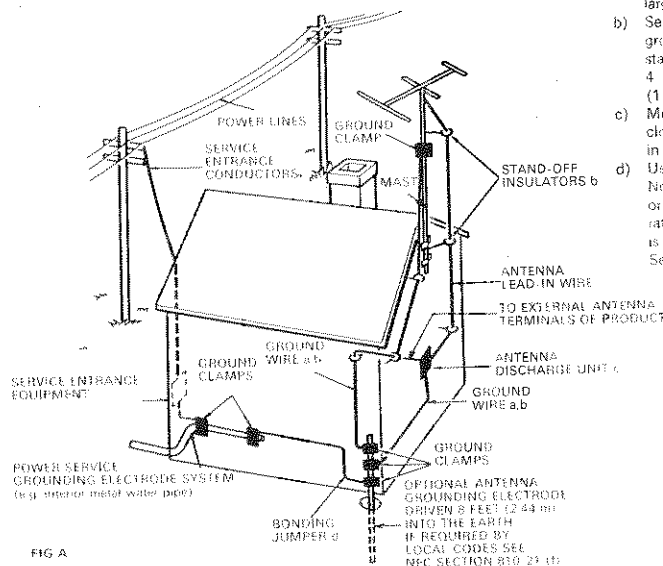
- The power-supply cord or the plug has been damaged; or
- Objects have fallen, or liquid has been spilled into the appliance; or
- The appliance has been exposed to rain; or
- The appliance does not appear to operate normally or exhibits a marked change in performance; or
- The appliance has been dropped; or the enclosure damaged.

SERVICING — The user should not attempt to service the appliance beyond that described in the operating instructions. For all other servicing, contact the nearest Pioneer authorized service center.

OUTDOOR ANTENNA GROUNDING — If an outside antenna is connected to the antenna terminal, be sure the antenna system is grounded so as to provide some protection against voltage surges and built up static charges.

In the U.S.A. section 810 of the National Electrical Code, ANSI/NFPA No. 70-1984, provides information with respect to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna-discharge unit, connection to grounding electrodes, and requirements for the grounding electrode. See Fig. A.

a) Use No. 10 AWG (5.3 mm^2) copper, No. 8 AWG (8.4 mm^2) aluminum, No. 17 AWG (1.0 mm^2) copperclad steel, bronze wire, or larger as ground wire.

b) Secure antenna lead-in and ground wires to house with stand-off insulators spaced from 4 feet (1.22 meters) to 6 feet (1.83 meters) apart.

c) Mount antenna discharge unit as closely as possible to where lead-in enters house.

d) Use jumper wire not smaller than No 6 AWG (13.3 mm^2) copper, or the equivalent, when a separate antenna-grounding electrode is used.

See NEC Section 810-21 (j)

POWER LINES
GROUND CLAMP
SERVICE ENTRANCE CONDUCTORS
MAST
STAND-OFF INSULATORS b
ANTENNA LEAD-IN WIRE
TO EXTERNAL ANTENNA TERMINALS OF PRODUCT
GROUND WIRE a,b
GROUND CLAMPS
ANTENNA DISCHARGE UNIT c
SERVICE ENTRANCE EQUIPMENT
GROUND WIRE a,b
POWER SERVICE GROUNDING ELECTRODE SYSTEM (e g interior metal water pipe)
GROUND CLAMPS
OPTIONAL ANTENNA GROUNDING ELECTRODE DRIVEN 8 FEET (2.44 m) INTO THE EARTH IF REQUIRED BY LOCAL CODES SEE NEC SECTION 810-21 (f)
BONDING JUMPER d
FIG A

CONTENTS

[FOR EUROPEAN AND U.K. MODELS]

CAUTION
This product contains a laser diode of higher class than 1. To ensure continued safety, do not remove any covers or attempt to gain access to the inside of the product.
Refer all servicing to qualified personnel.

The following caution label appear on your player.

Location: rear of the player

CLASS 1
LASER PRODUCT

VRW-328

[FOR U.S. MODEL]
CAUTION

- Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.
- The use of optical instruments with this product will increase eye hazard.

INFORMATION TO USER [FOR U.S. MODEL]

This equipment generates and uses radio frequency energy and if not installed and used properly, that is, in strict accordance with the manufacturer's instructions, may cause interference to radio and television reception. It has been type tested and found to comply with the limits for a Class B computing device in accordance with the specifications in Subpart J of Part 15 of FCC Rules, which are designed to provide reasonable protection against such interference in a residential installation. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
- reorient the receiving antenna
- relocate this equipment with respect to the receiver
- move this equipment away from the receiver
- plug this equipment into a different outlet so that equipment and receiver are on different branch circuits.

If necessary, the user should consult the dealer or an experienced radio/television technician for additional suggestions. The user may find the following booklet prepared by the Federal Communications Commission helpful:
"How to Identify and Resolve Radio-TV Interference Problems".
This booklet is available from the US Government Printing Office, Washington, D.C., 20402, Stock No. 004-000-00345-4.

The above instructions apply only to units which will be operated in the United States.

<PRB1047>

FEATURES

Magazine type multiple compact disc player, enables six-disc selection in succession.

A CD player with a 4fs digital filter and twin D/A converter system for quality sound and functionality.
- Honeycomb chassis for high rigidity and suppression of resonance.
- High-performance, 4-times oversampling digital filter and independent left and right D/A converters.
- Equipped with a digital level controller.

Other convenient tape editing functions all equipped.
- 32 step programming enables selection of any track of 6 discs to be played in desired order.
- Features direct programming to add the track currently being played to the program by simply pressing PGM MEMORY key.
- Features PAUSE programming for temporary stop.
- Time Fade Editing
  After specifying the desired time period, playback will last for only that time period, with automatic fade-out at the end of playback. The player will then go into pause mode.

Random playing
Tracks from set discs are played at random. If the repeat function is also used, it will be most effective as background music.

Multi-function fluorescent display indicates, disc mark, disc number, track number and elapsed time simultaneously.
Total time, remaining time on the tracks and remaining time on the disc are also displayed by switching.

Independent 6 keys and 10 keys are located on player and remote control unit for speedy track selection.

Timer start
If a disc is set on the disc tray beforehand, then, when power is turned ON or when activated by a TIMER, the player will automatically start playing from track 1.

Disc sound volume difference adjustable via remote control.
Sound dispersion of each disc can be volume adjusted form 0 dB to –25 dB via remote control.

CAUTIONS REGARDING HANDLING

LOCATION
Install the player in a well ventilated location where it will not be exposed to high temperature or humidity.
Do not install the player in a location which is exposed to direct rays of the sun, or near hot appliances or radiators. Excessive heat can adversely affect the cabinet and internal components. Installation of the player in a damp or dusty environment may result in malfunction or accident. (Also avoid installation near cookers etc., where the player may be exposed to smoke from oil, steam or heat.)


PRECAUTIONS REGARDING INSTALLATION
- Placing and using the compact disc player for long periods on heat-generating sources such as amplifiers will affect performance. Avoid placing the player on heat-generating sources.
- Install this compact disc player as far as possible from tuners and TV sets. A compact disc player installed in close proximity to such equipment, may cause noise or degradation of the picture. Such noise may be particularly noticeable when an indoor antenna is used. In such a case, make use of an outdoor antenna, or turn off power to the compact disc player.

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CONDENSATION

● When player is brought into a warm room from previously cold conditions or when the room temperature rises sharply, condensation may form inside and player may not be able to attain its full performance. In cases like this, allow the unit to stand for about an hour or raise the room temperature gradually.
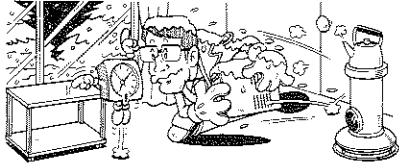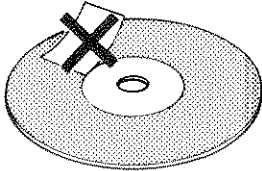
CARE OF DISCS

● With this player, use discs which display the mark shown below. (Optical audio digital discs.)

COMPACT disc DIGITAL AUDIO

● When holding discs, do not touch their signal surfaces. Hold the edges, or one edge and the center hole.
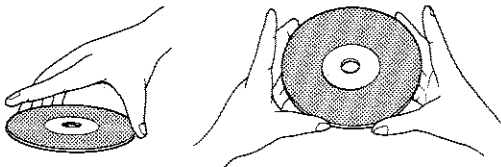
● Do not affix labels or adhesive tape to the label surfaces. Also, do not scratch or damage the label.

● Discs rotate at high speed inside the player. Do not use damaged (cracked or warped) discs.
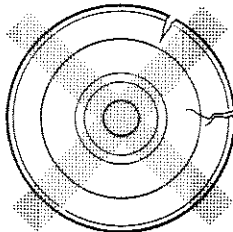
CLEANING DISCS

● The presence of fingerprints or smudges on the surface of the disc will not directly affect the recorded signals, but depending on the degree of contamination, the brightness of the light reflected from the signal surfaces may be reduced, causing degradation of sound quality.

Always keep your discs clean by wiping them gently with a soft cloth from the inner edge toward the outer perimeter.
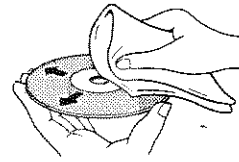
● If a disc becomes very dirty, wet a soft cloth in water, after wringing it out well, wipe the dirt away gently, and then remove any water drops with another soft, dry cloth.

● Do not use record cleaning sprays or anti-static agents on discs. Also, never clean discs with benzene, thinner, or other volatile solvents, which may cause damage to the disc surface.
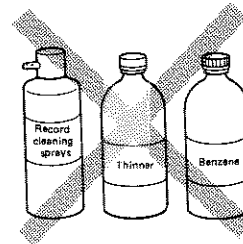
STORING DISCS (Storing without using the 6 disc magazine)

● Discs are made of the same kinds of plastics used for conventional analog audio records. Be careful not to allow discs to warp; always store discs in their cases vertically, avoiding locations with high heat or humidity, or extremely low temperatures. Avoid leaving discs in cars, and on the seats being exposed to direct sunlight can be harmful.

● Always read and abide by the precautionary notes listed on disc labels.

● Do not store discs by leaving them in the single disc magazine.
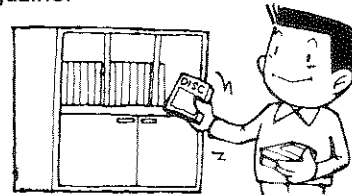
CLEANING THE PLAYER

To clean the front panel and unit housing, wipe with a soft, dry cloth. For stubborn dirt, wet a soft cloth with a mild detergent solution, wring well, then wipe off the dirt. Also use a dry cloth to wipe the surface dry. Do not use volatile liquids such as benzene and thinner which are harmful to the unit.
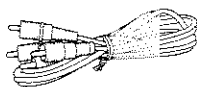
<PRB1047>

BEFORE OPERATING PLAYER

CONFIRM SUPPLIED ACCESSORIES

NOTE:
The supplied six-disc magazine and the single-disc maga-
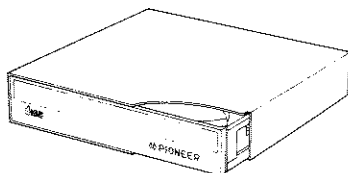*zine are for 12-cm discs only.*

SIX-COMPACT-DISC MAGAZINE x 1
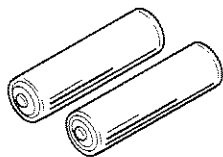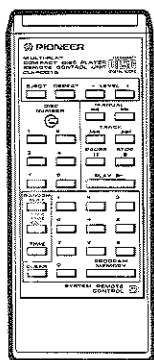(Called 6-disc magazine in the
explanatory text.)
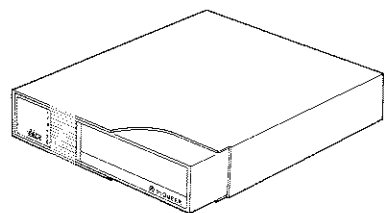
Output cable x 1

SINGLE-COMPACT-DISC MAGAZINE x 1
(Called single-disc magazine in the
explanatory text.)

NOTE:
The single-compact-disc magazine is not supplied for Eu-
ropean and U.K. models.

Remote control unit x 1   AAA/R03 dry cell batteries x 2

INSERT DISCS INTO THE 6-DISC MAGAZINE

Insert any discs which you may have into the
supplied magazine. Up to 6 discs may be inserted.
The numbering of the discs begins with 1 at the
topmost tray, and then increases in order from 2 to
6 for the lower trays.

The magazine has a window through which the
pulled-out disc tray can be checked. Even during
playback, the number of the disc being played back
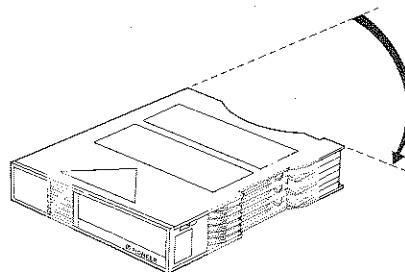can be checked through this window.

1. Pull out only one disc tray.

Disc tray

Make sure to
pull out only 1
disc tray.
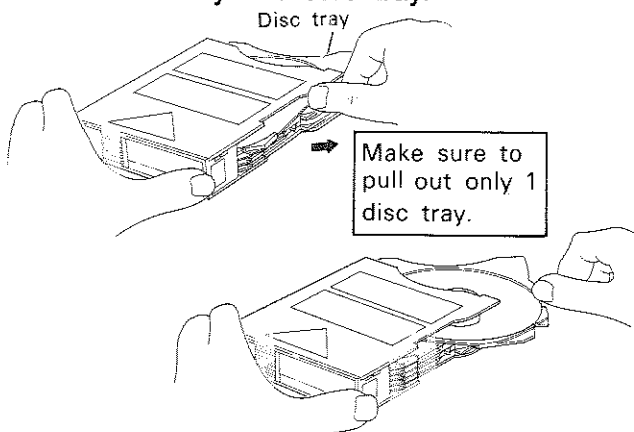
**2. Position discs with the label side down-
ward.**

Label side
downward
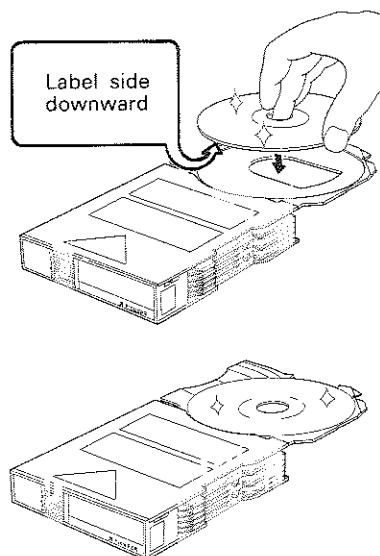
3. Put the disc tray back as it was originally.

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4. Insert other discs by repeating steps (1) to (3).

NOTE:
- *Please make sure to only pull out one disc tray at a time. (When a disc tray has been pulled out, do not pull out other disc trays.)*
- *If discs are inserted label side upward, it will not be possible for them to be played. Please make sure to insert them with the label side downward.*
- *Objects other than discs (song cards, explanations of disc contents, etc.), must never be inserted into the disc trays.*
- *Do not touch the playing surface of discs (the iridescent side) with hands or fingers.*

Additional magazines identical to the one supplied are available as options *(JD-M100, JD-M108).
Please use them to make your own disc library, with separate magazines for each artist or genre.

For U.S. customers only
You may purchase additional *JD-M100 or JD-M108 six-compact-disc magazines from your dealer. If, however, they are not available at your dealer in the United States, you may order from:

Pioneer Electronics Service, Inc.
2265 East 220th Street
P.O. Box 1760
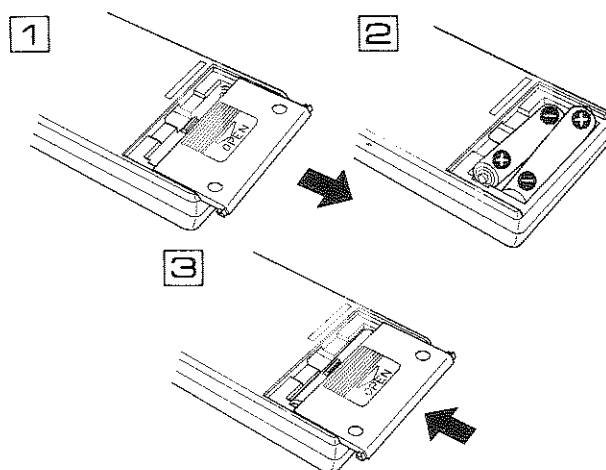Long Beach, CA. 90801-1760, U.S.A.
Phone #(800) 421-1404

*JD-M100: Magazine for six 12-cm discs.
JD-M108: Magazine for six 8-cm discs.

NOTE:
Both 12-cm discs and 8-cm discs cannot be installed together in a magazine.

PUT BATTERIES INTO REMOTE CONTROL UNIT

[1] Remove the cover of the battery compartment on the reverse side of the remote control unit. This can easily be done by pressing down on the cover with your thumb and pulling it in the direction of the arrow.
[2] Take out the two size "AAA" [IEC R03 (UM-4)] dry cell batteries supplied and load them into the battery compartment, taking care to follow the markings on the compartment.
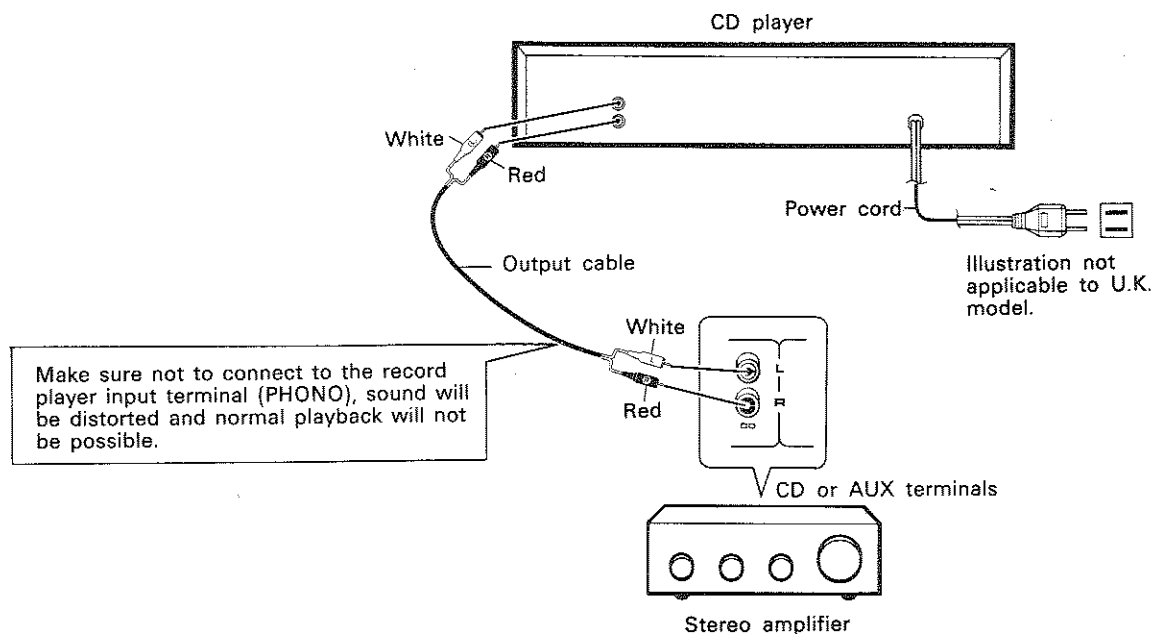[3] Replace the cover of the battery compartment.

NOTE:
- *If the remote control unit will not be used for a long time (1 month or more), remove the batteries to avoid battery leakage. If fluid should ever leak from batteries, wipe away the fluid and then install new batteries.*
- *Do not puts books etc. on top of the remote control unit. If keys are continuously depressed the batteries will finished.*
- *If the operating range decreases, the batteries have probably finished. Replace with new batteries.*

Incorrect use of batteries may result in leakage of fluid, explosion of batteries and other dangers. Please pay particular attention to the following points.
- Please correctly install batteries so that the (+) and (−) battery polarity matches with the (+) and (−) markings inside the battery case.
- Do not use different types of dry cell batteries together.
- The voltages of dry cell batteries may differ even though they are of the same size and shape. Please do not use different types of dry cell batteries together.
- Batteries may be either rechargeable or non-rechargeable. Before using batteries please read the cautions and notes printed on them.

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CONNECTIONS

CD player

White

Red

Power cord

Illustration not applicable to U.K. model.

Output cable

White

Red

Make sure not to connect to the record player input terminal (PHONO), sound will be distorted and normal playback will not be possible.

CD or AUX terminals

Stereo amplifier

Connecting the output cable

Connect the plugs of the cable to the input terminals of the amplifier (terminals marked CD or AUX), and to the output terminals of the compact disc player.

- Connect the white plugs to the left (L) terminals and the red plugs to the right (R) terminals.
- Make sure plugs are pushed fully into the terminals.

L

White

R

CD

Red
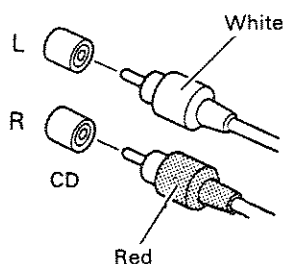
CONNECT THE POWER CORD

Insert the power cord plug into the auxiliary AC outlet of your amplifier unit, or into a household wall outlet.

NAMES AND USE OF PARTS

FRONT PANEL

MANUAL SEARCH keys
When the player is in playback or pause modes, these keys are pressed to perform fast forward or reverse operations, to allow manual searching.
These operations are done only during the time either key is pressed.

[►►] : For fast forward operation. If the end of the disc is reached during fast forward operation, "End" will be displayed and the player will enter the pause mode. [During programmed playback, the player will enter the pause mode right before it reaches the next track (program step).]

[◄◄] : For fast reverse operation. If the beginning of the disc is reached during reverse operation, the player will enter the playback mode. [During programmed playback, the player will enter the playback mode right before it reaches the previous track (program step).]

TRACK SEARCH keys
When the player is in the normal playback, programmed playback or pause modes, these keys are pressed to search for a desired track. Pressing either key causes the player to advance to the next track, or return to the previous track.

[►►|] : When pressed once, play restarts at the beginning of the next track on the disc; when pressed continuously, the disc playback shifts to the beginning of succeeding tracks on the disc. (During programmed playback, it moves to the beginning of the next programmed track.)

[|◄◄] : When pressed once, the disc playback returns to the beginning of the currently playing track; when pressed continuously, the disc playback shifts to the beginning of previous tracks on the disc. (During programmed playback it returns to the beginning of the previously programmed track.)
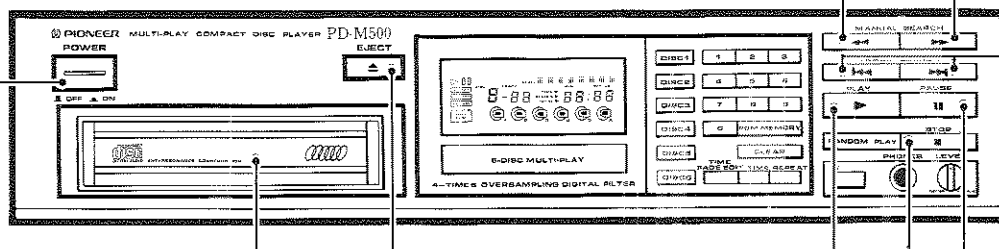
POWER switch
Press to turn power to the unit ON and OFF.

Magazine insertion slot

EJECT key
Press to eject a magazine or the disc tray. When pressed, any magazine (in case of single disc magazine, the disc tray) inside is expelled forward.

PLAY key
Press to begin playback, and to cancel the player from the pause mode.

PAUSE key
Press to temporarily interrupt playback. When pressed again, the pause mode is cancelled and playback resumes.

STOP key
Press to stop playback. When pressed, the player goes into stop mode and all operations stop.
When pressed during stop mode, the program stored in memory is cleared.

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Indicators

PLAY (►) : Lights during playback.

PAUSE (❙❙) : Lights during pause mode, when playback is temporarily interrupted.

REPEAT : Lights during repeat playback.

PROGRAM : Lights after programming (after program has been memorized).

RANDOM : Lights during random playback.

DISC : Indicates disc number (1 - 6) during playback or search.

TRACK : Indicates track number (01 - 99) during playback or search.

TIME/REMAIN/TOTAL
: Changes each time the TIME key is pressed.

● TIME : Displays the track number of the track being played and the playback time (minutes and seconds).

● REMAIN : Displays the remaining time on the track being played.
When the TIME key is pressed again, the remaining time on the disc will be displayed.

● TOTAL : Displays the total number of tracks on one disc (TRACK) and the overall playback time (MIN, SEC).

During programmed playback operation, displays the playing time, the remaining time of the track being played and the total program steps (TOTAL). During time fade editing mode playback, TIME-FADE-REMAIN will be displayed instead of remaining time on the disc.

LEVEL : Displays the output level of the digital level controller.

MIN : Playing or remaining time for the track indicated by the minute.

SEC : Playing or remaining time for the track indicated by the second.

TIME FADE EDIT : Displayed when Time Fade Editing is set or operated.

DISC Symbol (⊜)
: The center bar of the disc symbol on the display will be red for the currently-playing disc. If a non-existent disc is searched for, the corresponding disc symbol will go off.
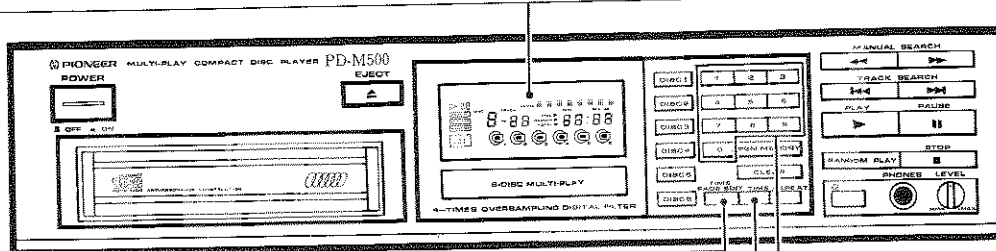
TIME FADE EDIT key
Press this key when ending playback at a desired time with fade-out.

TIME key
● Use to select the method for displaying the playing time on the indicator panel.
Each time the key is pressed, the indication changes from TIME, REMAIN (track remain) and REMAIN (disc remain: This will not be displayed during programmed playback. During playback of the time fade editing mode, time fade remain will be displayed.) to TOTAL in that order. (For details concerning the display contents, refer to the explanation about the indicators.)

● When pressed after a track is specified with the track no. keys during playback, it will display the total playback time of the specified track of the disc currently playing.

Track no. keys (Track number 1 - 0)
Use to select track numbers (track 1 - track 99) for playback or programming.

Audio terminology
Fade-out : When existing sound volume gradually decreases to zero volume.

PGM MEMORY key (PROGRAM MEMORY)

Use to program a sequence of tracks.
- Press this key after selecting a desired disc and track with Disc no. and Track no. keys. Tunes will be added to the program in the order in which they are specified.
- If only a Disc no. key is pressed, all tracks on the specified disc will be added to the program. The letters "AL" will appear on the indicator.

Disc no. keys (Disc number 1- 6)

Use to select disc numbers for playback or programming.

RANDOM PLAY key

Press to begin random playback.
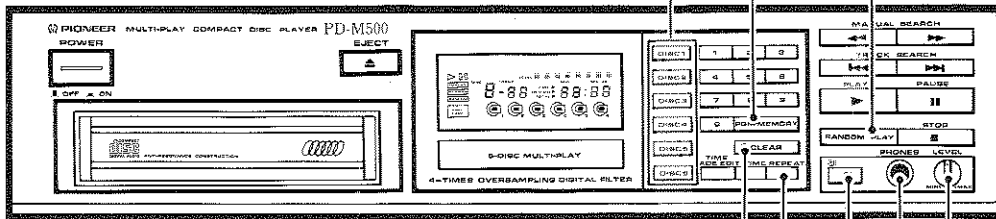
CLEAR key

Press to clear program.

PHONES (headphones) jack

When you wish to use headphones, insert the plug for the headphones into the headphones jack.

Phones LEVEL control knob

Use to adjust the level of sound when using headphones. Turning the knob to the right increases the sound level.

NOTE:
The headphone jack and level control are not provided on U.S. and Canadian models.

REPEAT key

Press to perform repeat playback.
- If pressed during normal playback mode, all tracks on all the discs in the magazine will be played back repeatedly.
- If pressed during programmed playback, the programmed tracks will be repeatedly played back in the programmed order.
- In the case of random playback mode, after all the tracks have been played, random playback will start again.

REMOTE SENSOR window

REMOTE CONTROL UNIT

Refer to the player front panel section for information regarding other key functions not specified here.

LEVEL (+, −) keys
The volume level can be decreased from 0 dB to −25 dB in single dB steps. When power is turned on, the unit will be set to 0 dB.

REPEAT key

EJECT key

DISC NUMBER keys

RANDOM PLAY key

TIME FADE EDIT key

TIME key

CLEAR key

MANUAL search keys

TRACK search keys

STOP key

PAUSE key

PLAY key

Track no. keys

PROGRAM MEMORY key
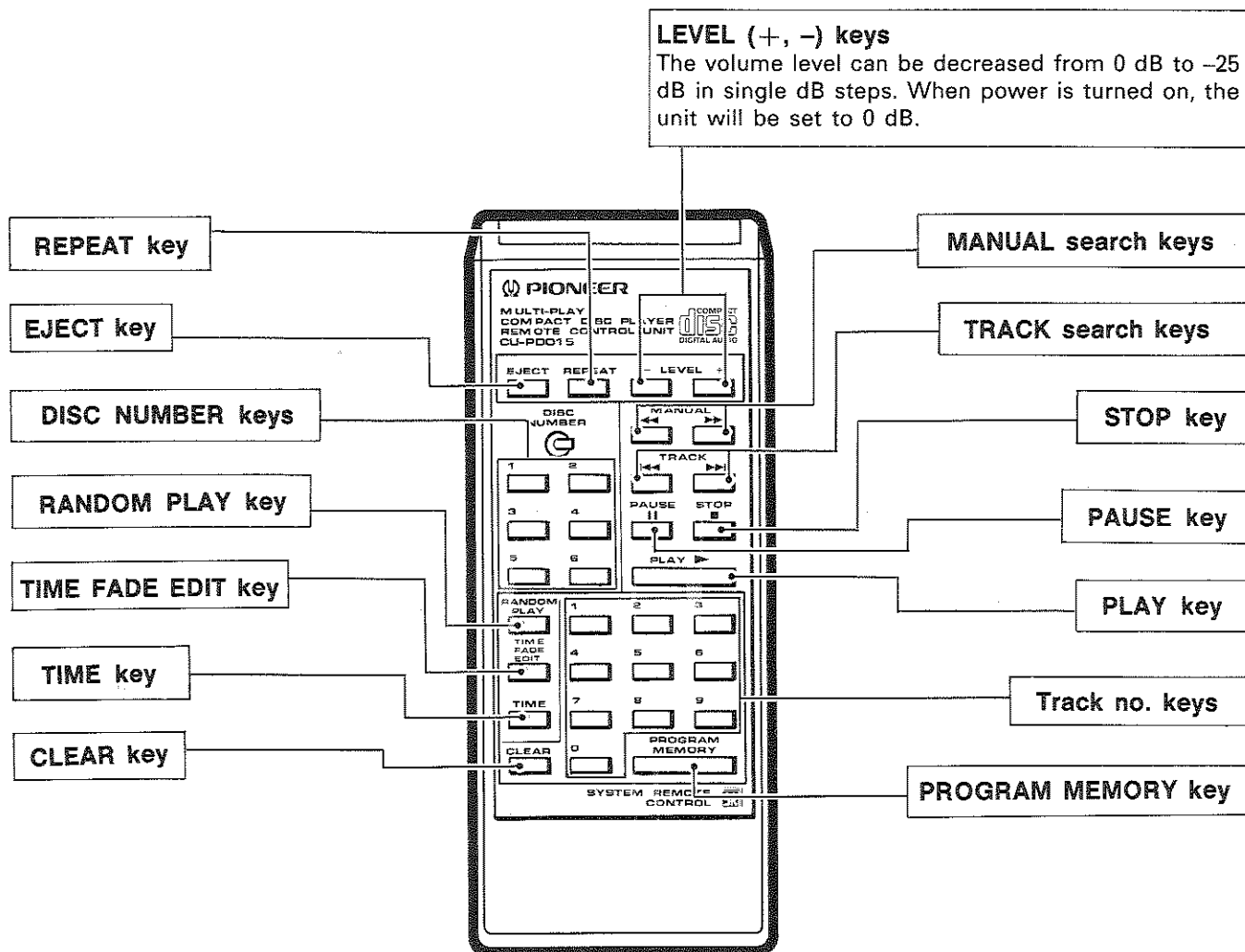
Digital Level Controller

By pressing the LEVEL −/+ key, the volume level can be controlled from 0 dB to −25 dB in 1 dB steps via digital circuit processing.

● To increase the volume ——— Press the LEVEL [+] key.
(If the level is 0 dB, there will be no change.)
● To decrease the volume ——— Press the LEVEL [−] key.
(If the key is held down, the level will stop at −25 dB.)
The level will be displayed on the digital level controller indicator.

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OPERATION PROCEDURES BEFORE PLAYBACK
(Insertion of magazine or discs)
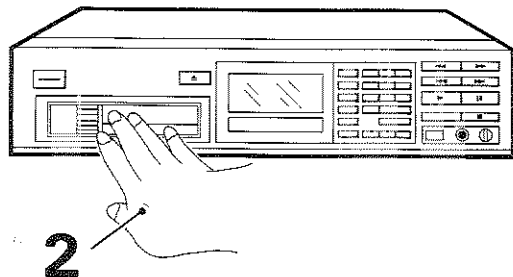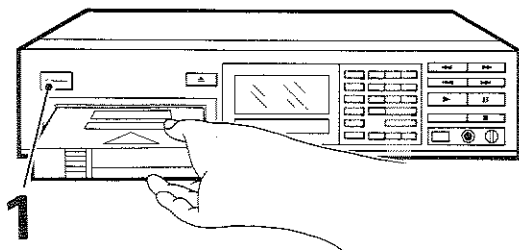
Case of 6-disc magazine

Case of single-disc magazine

(This does not apply to European and U.K. models).

NOTE:
Only the single-disc magazine accompanying this player can be used.

1 **Push in the POWER switch and switch ON power.**
2 **Insert a magazine, pushing it in until a click sound is heard.**
Please insert the discs you want to play into the magazine beforehand. (Refer to 'BEFORE OP-ERATING PLAYER'.)
3 **Set your stereo amplifier controls for compact disc playback.**
(For details refer to the operating instructions of your stereo amplifier.)

Label side downward
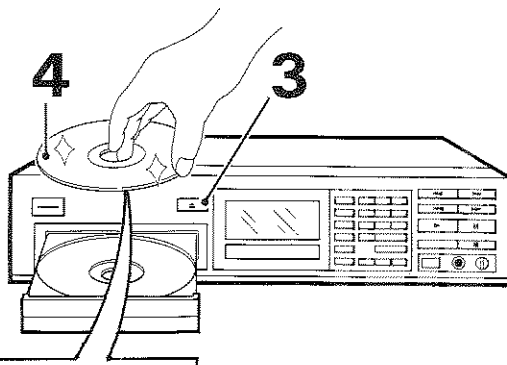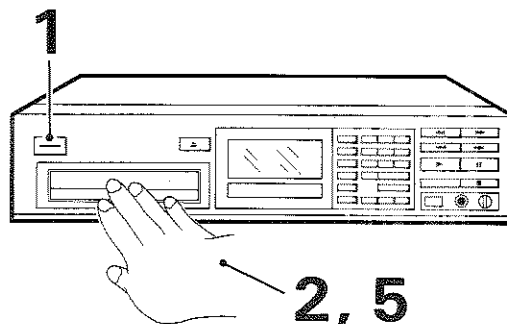
1 **Push in the POWER switch and switch ON power.**
2 **Insert a magazine, pushing it in until a click sound is heard.**
3 **Press the EJECT key.**
The disc tray will be ejected forward.
4 **Place a disc on the disc tray.**

NOTE:
- *Make sure to place the disc on the tray with the label facing downward.*
- *Hold the disc so that you do not touch the playing side (the iridescent side) with your hands or fingers.*

5 **Push the disc tray into the player.**
Gently push the disc tray in with your fingers.
6 **Set your stereo amplifier controls for compact disc playback.**
(For details refer to the operating instructions of your stereo amplifier.)

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PROCEDURES AFTER PLAYING
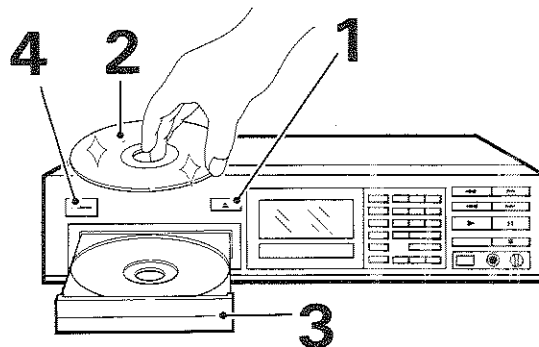### (Removal of magazine or discs)

| Case of 6-disc magazine |
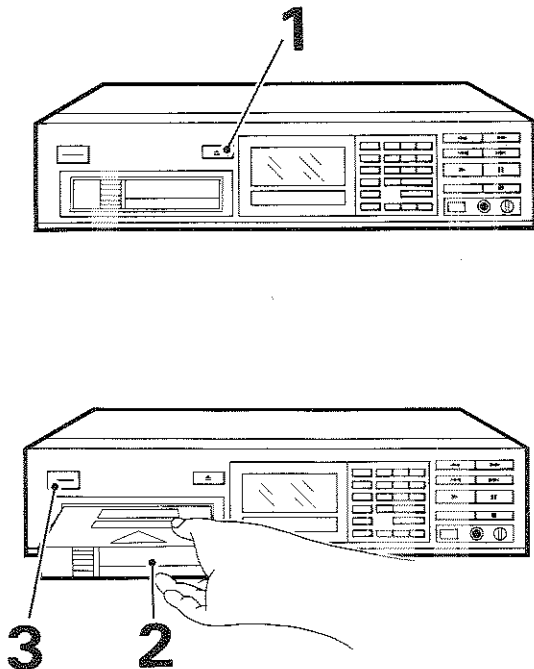
1 **Press the EJECT key and eject the magazine.**
2 **Pull the magazine forward and remove it.**
3 **Push in the POWER switch to turn OFF power.**

| Case of single-disc magazine |

(This does not apply to European and U.K. models).

NOTE:
Only the single disc magazine accompanying this player can be used.

1 **Press the EJECT key and eject the disc tray.**
2 **Remove the disc and put it into its case.**
Be careful not to touch the playing side.
3 **If you do not intend to use the player, immediately, pull the magazine forward and remove it, and push in the disc tray.**

If you intend to continue using the single disc magazine, leave the magazine installed in the player and push in the disc tray.
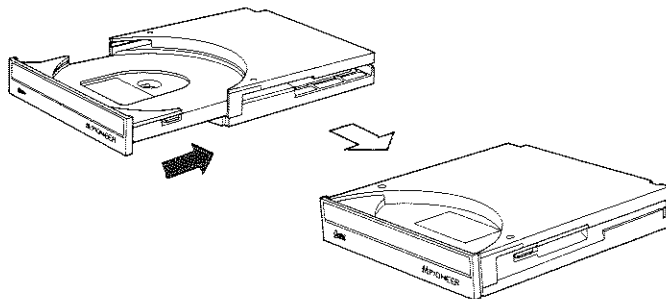
4 **Push in the POWER switch to turn OFF power.**

If a disc is still in the magazine:

(Viewed from the rear side)

Press

Disc tray

Single disc magazine
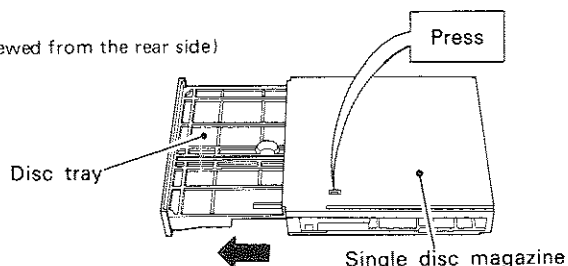
Be careful not to drop the disc when a disc is loaded.

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● Key operations explained here may be carried out with keys on either the player or the remote control unit.

● Explanations are given for operations when using the 6 disc magazine, but operations are the same when using the single disc magazine. The only difference is that in the latter case the Disc no. keys are not used.
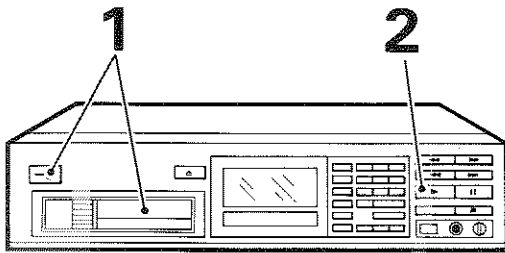
OPERATIONS FOR NORMAL PLAYBACK

Playback of all tracks, from the first track on the first disc, to the last track on the sixth disc.

┌─Operation example──────────────────────
● Start playback

  POWER → Insert magazine (disc) → PLAY
──

1 Carry out "OPERATION PROCEDURES BEFORE PLAYBACK", and insert the magazine.
2 Press the PLAY key.
   The PLAY (▷) indicator will light, and playback will begin.

   The indicators will display the disc number and track number currently being played and the elapsed playback time.

   This example shows the display when the first track of first disc is played.
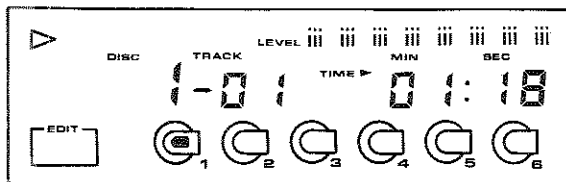
3 Adjust volume and tone with stereo amplifier controls.
   When the last track on the sixth disc finishes playing, the player enters stop mode. All operations stop and the player stops with the number of the first track on the first disc '01', showing on the indicator.

TO START PLAYING BACK FROM A DESIRED TRACK (Direct Disc and Track Search Operation)

During playback or stop mode, playback will begin from the track selected by specifying the disc number and track number, and will continue to the last track on the sixth disc.
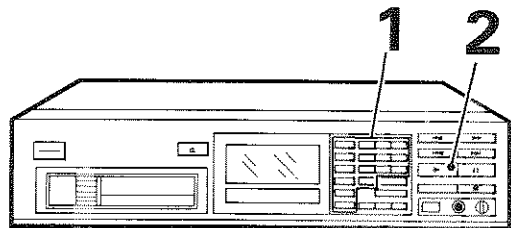
┌─Operation example──────────────────────
● During stop mode, to play back the third track on the fifth disc:

Key operations	Indicator display
Disc no. DISC 5	
Track no. 3	
PLAY	

● To play back the 12th track on the first disc:

Key operations	Indicator display
Disc no. DISC 1	
Track no. 1 2	
PLAY	
──

1 During playback or stop mode, select a disc number with a Disc no. key and a track number with Track no. keys.
● If only a disc number is selected, playback will begin from the first track on the specified disc.
● If only a track number is selected, playback will begin from the specified track on the disc for which the player is in playback or pause mode.

2 Press the PLAY key to begin playback.

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NOTE:
- *When a track number of a track not on the disc is selected, playback starts from the first track.*
- *Track selection cannot begin from the disc number of a magazine tray which does not contain a disc.*
- *Performing these operations during programmed playback causes the program to be cleared.*
- *Performing these operations during random playback causes random playback to be cancelled.*
- *Playback from a direct disc or track search is not possible when a program is being input in stop mode.*
- *When there is no magazine inserted and the PLAY or RANDOM PLAY key is pressed, "disc" will appear in the indicator for 2.5 seconds.*

TO STOP PLAYBACK

STOP or EJECT
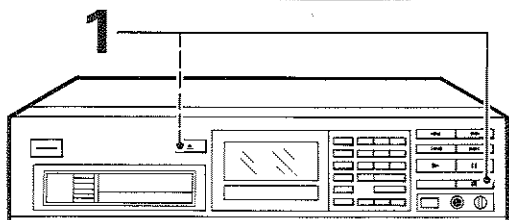
1 Press the STOP key or the EJECT key.
- When the STOP key is pressed, the player enters the stop mode. All operations stop, and the disc returns to the magazine.
- When the EJECT key is pressed, the magazine ejects.

PAUSE OPERATION

Operation example
- To temporarily stop playback
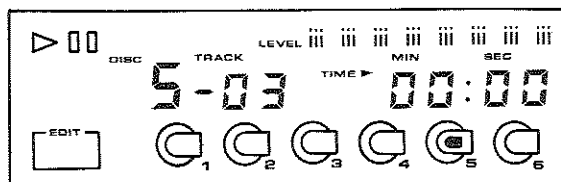 PAUSE
- To resume playback
  PAUSE or PLAY
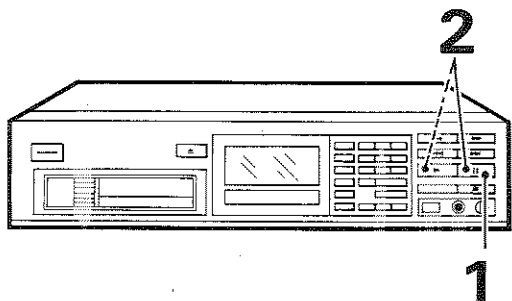
1. With the player in the playback mode, press the PAUSE key
The PAUSE indicator will light, and the player will pause immediately.
2. To resume playback, press the PAUSE key again, or the PLAY key.

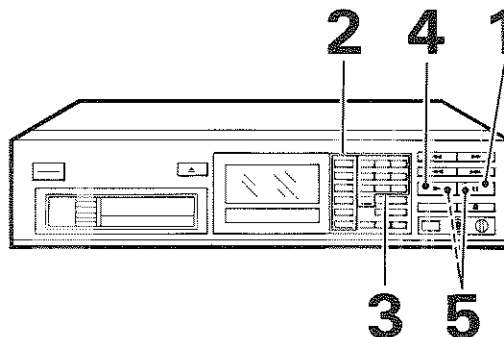## TO PAUSE AT THE BEGINNING OF A TRACK

Operation example

To switch from stop mode to pause at the beginning of the third track on the fifth disc:
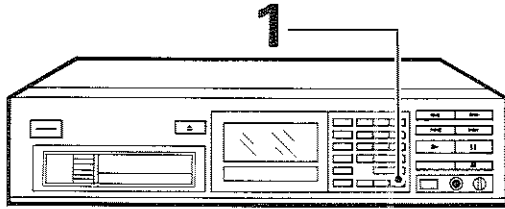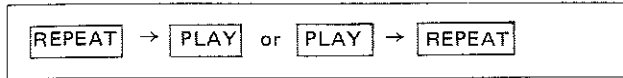PAUSE → Disc no. key DISC 5 → Track no. key 3 → PLAY


- To start playback:
  PAUSE or PLAY

1 Press the PAUSE key.
2 Select the disc number with a Disc no. key.
3 Select the track number with Track no. keys.
4 Press the PLAY key.
5 To start playback, press the PAUSE key or the PLAY key.

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OPERATIONS FOR REPEAT PLAYBACK

REPEAT → PLAY or PLAY → REPEAT

1 With the player in the playback or stop mode, press the REPEAT key.

The REPEAT indicator will light.
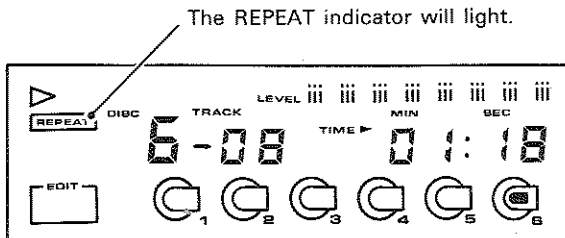
2 When the last track has been played back, playback will begin again from the first track.

Playback will be repeated until repeat playback is cancelled.

● During normal playback, all tracks on all discs in the magazine will be played back repeatedly. (All discs repeat)
● During programmed playback, the tracks programmed will be played back again in the order programmed. (Programmed repeat)
● Programming of only one disc — one-disc repeat
● Programming of only one track — one-track repeat
● When the RANDOM PLAY key is ON during normal playback, after all the tracks on the discs are played at random, the same tracks will be played again at random. (Random repeat)

TO CANCEL THE REPEAT MODE

REPEAT or STOP or EJECT

● Press the REPEAT key once again. The REPEAT indicator will go out, and the player will revert to the normal (or programmed) playback mode.
● Press the STOP or EJECT key. Playback will stop and the repeat mode will be cancelled simultaneously.

TO LOOK FOR A DESIRED TRACK (TRACK SEARCH OPERATIONS)

During normal or programmed playback, or during the pause mode, these functions allow you to quickly find the beginning of a desired track. Also, any number of tracks can be skipped during the search process when so desired.
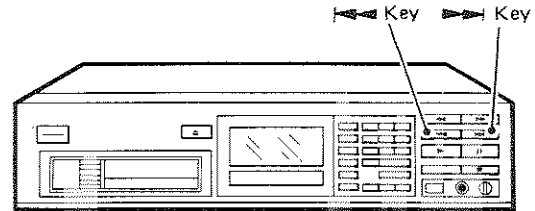
● When the [▶▶] key is pressed once, playback advances to the beginning of the next track. When pressed continuously, playback advances to the beginning of succeeding tracks. (During programmed play, playback advances to the beginning of the next programmed step.)
● When the [◀◀] key is pressed once, playback returns to the beginning of the currently playing track; when pressed continuously, playback shifts to previous tracks on the disc. (During programmed playback, playback returns to the previous programmed step.)

The disc number and track number of the track currently being searched for will be displayed on the indicator; watch this indicator while searching for the desired track.

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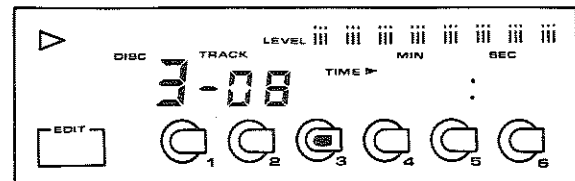
## FAST FORWARD AND REVERSE (MANUAL SEARCH OPERATIONS)

During playback or pause modes, this function allows you to quickly advance or reverse through the disc to find the desired part. Listen to the sound from your speakers or headphones while performing the search. (During playback mode only.) When the key is released the player returns to its original mode (playback or pause).

During pause, high-speed search is possible. However, no sound will be output.

◀◀ Key   ▶▶ Key
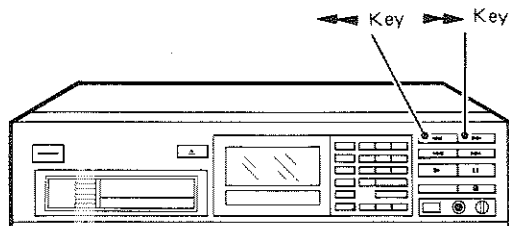
- When the [▶▶] key is pressed, the player will advance quickly through the disc. If the end of the disc is reached, the player will enter the pause mode. (The word 'End' will be displayed by the indicator.)
  The pause mode can be cancelled by pressing the [◀◀] key.
- When the [◀◀] key is pressed, the player will reverse quickly through the disc.   If the beginning of the disc is reached, the player will enter the playback mode.

During the search operation, the elapsed time will be displayed on the indidcator; watch the indicator while searching for the desired part.
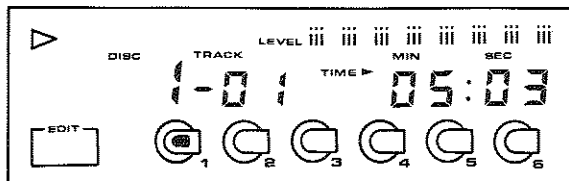
NOTE:
During programmed playback, fast forward and reverse operations will be effective only for the currently-playing track.
Also, when using the [▶▶] key, the player will enter the pause mode right before it goes to the next program step. When using the [◀◀] key, the player will enter the playback mode right before it goes to the previous program step.
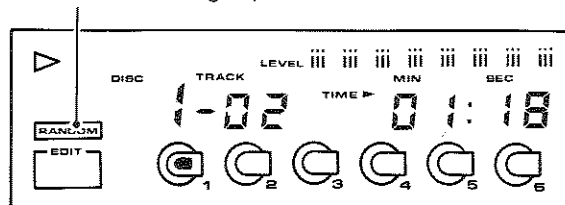
RANDOM PLAYBACK

- Each track of all the discs set in the magazine will be played at random. After all the tracks have been played, the player will go in stop mode.

RANDOM PLAY
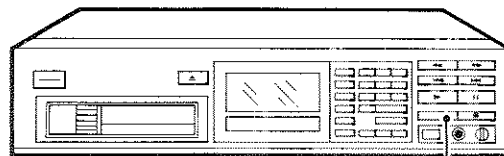
1 Press the RANDOM PLAY key.
Random playback will begin. (The RANDOM indicator will light.)

2 Pressing the RANDOM PLAY key once more will have the player select a track at random for playback.

When REPEAT mode is ON:
Random playback will be repeated.

### To cancel random playback operation

STOP or EJECT

- Press the STOP key or the EJECT key. Playback will stop and random playback operation will be cancelled simultaneously.
- Performing operations for playback from a direct disc search will also cancel random playback.

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TO PLAYBACK TRACKS IN A DESIRED ORDER (PROGRAMMED PLAYBACK)

● With this function, you can play back the tracks on the discs in the magazine in any order desired.

● By specifying disc numbers from 1 to 6, and track numbers from 1 to 99, you can select up to 32 steps for playback in any order you like.

Memorizing a program
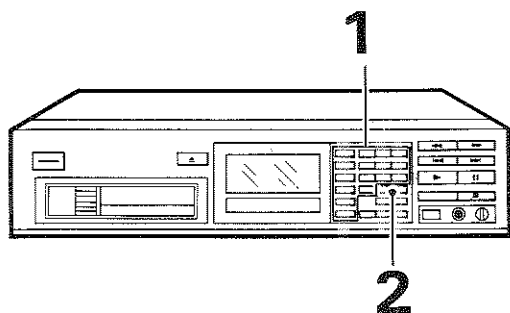
1 **During stop mode, specify a disc with a Disc no. key and a track with Track no. keys.**

2 **Press the PGM MEMORY key.**
If the PGM MEMORY key is pressed after a disc number only has been specified, all tracks on the disc will be added to the program.

3 **Repeat operations 1 and 2.**
Repeat operations 1 and 2 for each track you want to be memorized, in the order in which you want the tracks to be played. The player can memorize up to 32 steps.

Each time you program a step, the indicator will display the program step and the programmed disc number and track number.

The figure below shows the display when track 5 on disc 2 is programmed as step 1.

The PROGRAM indicator will light.
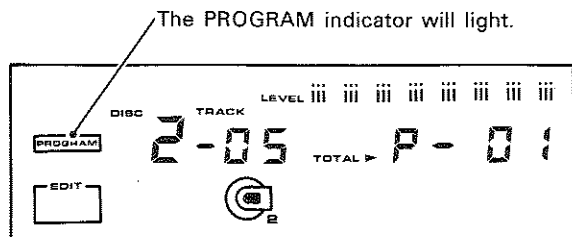
Playback Start

1. **Press PLAY key to start playing in programmed order.**
2. **Play ends.**
When the last programmed track ends, the player goes to stop mode at the first programmed track position.
The disc returns to the magazine.

● **When REPEAT mode is ON:**
When the last programmed track ends, the player returns to the first programmed track to repeat the program.
Programmed playback will repeat until the REPEAT key is pressed again or until the STOP key is pressed.
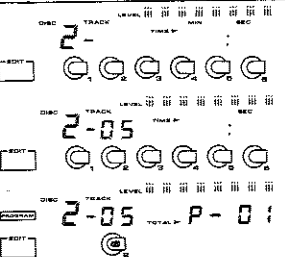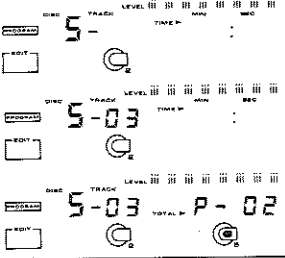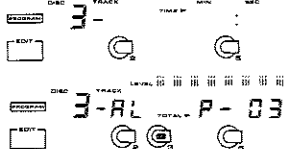
Cancellation of programmed playback and clearing a program:

● Pressing the STOP key will cause playback to stop. In this case the program stored in memory will not be cleared. To clear the program, press the STOP key once more.
● Press the EJECT key. When pressed during playback, the magazine will eject, and the program will be cleared.
● Carrying out operations for playback from a direct disc seach will cause the program to be cleared.
● During programmed playback, if the CLEAR key is pressed, the program will be cancelled and playback will continue in normal mode.

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Operation examples

To playback track 5 on disc 2, track 3 on disc 5, and all of disc 3 in that order:

● Memorize the program:

Step	Key operations	Indicator display
01	Disc no. [DISC 2]	
	Track no. [5]	
	[PGM MEMORY]	
02	Disc no. [DISC 5]	
	Track no. [3]	
	[PGM MEMORY]	
03	Disc no. [DISC 3]	
	[PGM MEMORY]	

● To start play:
  [PLAY] — ordinary program

● To stop playback
  [STOP] — Playback stop
  (Program left intact.)

● To cancel playback and clear the program:
  [STOP] - [STOP]
  —— Stops playback and clears the program.

  [EJECT] —— Stops playback, clears the program, and ejects the magazine.

  [CLEAR] —— Clears the program.

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TO PROGRAM A PAUSE OPERATION (OPERATIONS FOR PAUSE PROGRAM)

During programmed playback, these operations cause the player to pause at the beginning of tracks for which a pause has been specified.

Application Example 1:

When recording on both sides of a cassette tape, programming for a pause to occur after the completion of the last track, before the first side of the tape runs out, will enable recording of the next track to begin, after the tape has been turned over.

Application Example 2:

When recording on tape, programming for pauses to occur between tracks will allow blank intervals or narration to be recorded on the tape, after which recording can be resumed.

Memorizing a pause program
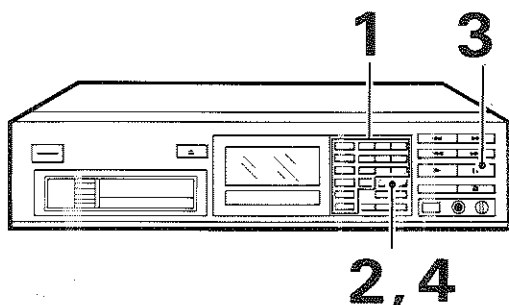
1 **In stop mode, select disc and track numbers.**
2 **Press the PGM MEMORY key.**
   See "Memorizing a Program"
3 **Press the PAUSE key.**
   Perform procedures 3 and 4 to insert a pause at the beginning of the track selected after procedure 4. A pause is counted as a program step.
4 **Press the PGM MEMORY key.**
   To enter another track into the program, repeat procedures 1 and 2 above. During playback, there will be a pause at the beginning of this track.
5 **Repeat operations 1 to 4**
   Up to 32 steps can be programmed.

Method of playback

1 **Press the PLAY key to begin playback.**
   The player will pause beginning of the track for which a pause has been specified.
2 **To resume playback, press the PLAY key or PAUSE key.**

Operation example

To program the player to playback track 5 on disc 2, track 3 on disc 5, and track 8 on disc 3, with a pause before the last selection.

● Memorize the program:

Step	Key operations	Indicator display
01	Disc no. DISC 2	2-
	Track no. 5	2-05
	PGM MEMORY	2-05 TOTAL P-01
02	Disc no. DISC 5	5-
	Track no. 3	5-03
	PGM MEMORY	5-03 TOTAL P-02
03	PAUSE	5-03 TOTAL P-02 The PAUSE indicator lights.
	PGM MEMORY	PR TOTAL P-03 The PAUSE indicator goes out.
04	Disc no. DISC 3	3-
	Track no. 8	3-08
	PGM MEMORY	3-08 TOTAL P-04

● To start and resume playback:

PLAY ········ Player pauses after playing track 3 on disc 5.

PLAY or PAUSE ······· Player resumes programmed playback.

PROGRAMMING DURING PLAYBACK (Direct program)

- When the PGM MEMORY key is pressed during playback, the currently playing track will be programmed (Direct program).
- During playback, select the track number by the Track no. keys. Then press the PGM MEMORY key. The specified track on the disc being played will be added to the program.

The indicator will then display (for 5 seconds) the total number of steps programmed. To program a track of another disc, press the disc number key for the disc to be played.

NOTE:
- *Direct programming not available during programmed playback play or random playback.*

When ending play at a desired time with a fade out (time fade editing).

When the desired play time is specified, the music plays for only that time, fades out and enters the pause status. Convenient for dubbing without leaving any tape blank.

When playing for only a specified time starting with the first track of the first disc.
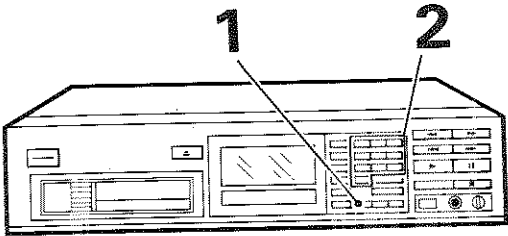
1 In stop mode, press the TIME FADE EDIT key.
2 With the Track no. keys, specify the desired time period (in minutes).

Operation Example

The first compact disc with 10 tracks for a total time of 43 minutes and 27 seconds is recorded onto one side of a C-46 cassette tape. When the tape runs out after 23 minutes, the recording will fade out.

● Time Fade Edit

Key operation	Indicator display
TIME FADE EDIT	
Track no. [2] [3]	
After 0.8 seconds.	

This program plays the disc for 23 minutes starting with track 1 and fades out playback in the end.

For playback only within a specific time period from the Desired Track
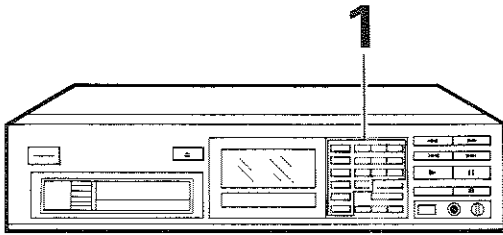
1 **In stop mode, select the disc number and track number.**
2 **With the Track no. key, specify the desired time period (in minutes).**
3 **Now follow steps 1 and 2 in "When playing for only a specified time starting with the first track of the first disc."**

NOTE:
- *If the time period is specified for more than 10 minutes, press the track number key within 2 seconds. If it is not pressed within 2 seconds, less than 10 minutes will be specified.*
- *The time fade editing mode is effective only for one disc. While in the time fade editing mode, when playback of the currently-playing disc ends, the time fade editing mode will be cancelled and the unit will enter the stop mode.*
- *Use the manual search operation during play in the time fade editing mode and operate the fade-out when the fade-out starting point is passed.*

Method of playback

1 Press the PLAY key.
After playing back the specified time period, the player enters the pause mode while fading out.

Cancelling the TIME FADE EDITING Mode

- Before specifying the time period, press the TIME FADE EDIT key or STOP key. After specifying the time period, press the CLEAR key.
- When the CLEAR key is pressed, the TIME FADE EDITING Mode clears and normal playback resumes.

Operation Example

This plays for 12 minutes starting with the track 6 of disc 3 and ends by fading out.

● **Fade Out from the Desired Track**

Key operation	Indicator display
Disc no. DISC 3	3-
Track no. 6	3-06
TIME FADE EDIT	3-06
Track no. 1 2	12:00
After 0.8 seconds.	3-06 12:00

This program gives 12 minutes of playback starting with track 6 of disc 3. Playback will fade out at the end.

Operation example

● To start playback
PLAY ... Playback will start from the specified track for the specified time length. Then editing will be faded out and the player will enter the pause mode.


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CAUTIONS REGARDING USE OF REMOTE CONTROL UNIT

If use is made of the supplied remote control unit, the functions explained so far can be operated from a distance.

To use the remote control unit, aim it at the remote sensor on the front panel of the player.

The operating range of the remote control unit, is up to about 7 m from, and within angles of 30 degrees left and right of the sensor window on the player.

● Even when the remote control unit is operated within the specified operating range, operation may not be successful if there are obstacles between the unit and the player, or if the unit is not correctly aimed at the player.

● Use of the player near a device which emits unit infrared rays, or use of another remote control unit which emits infrared rays, may result in misoperation of the player. On the other hand, use of the remote control unit of the player when another device controlled by means of infrared rays is being used, may cause misoperation of that device.

● The life of the batteries used in the remote control unit will vary greatly depending on operating conditions, however when they begin to run down the operating range will be reduced. When the player fails to accept commands when buttons on the remote control unit are pressed, and when the operating range is greatly reduced, please replace the batteries.
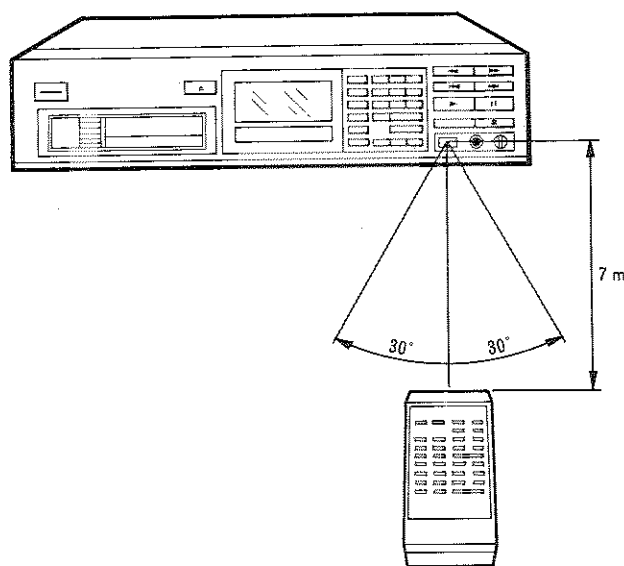
About Timer Play Start

When a magazine is properly loaded with discs and inserted into the player, playback will begin automatically when the power is turned on.

If use is made of an audio timer, the player can be made to start playing from a specified time.

● When using a six-disc magazine:
  Playback will start from disc 1, track 1.

● When using a single-disc magazine: (Except for European and U.K. models)
  Playback will start from track 1.

NOTE:
● *When using an audio timer, leave the POWER switch of the player turned ON.*
● *The timer is activated approximately 5 seconds after the power is turned on.*
● *If you operate the player by pressing any of the function keys before timer start, timer start will not occur.*

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MAGAZINE

CAUTIONS REGARDING HANDLING OF MAGAZINES

● When inserting a magazine into the player, make sure that the direction of insertion is correct.
● After use, store in the case provided. Do not place in locations subjected to high temperatures or exposed to direct sunlight.
● Do not take magazines apart.
● Be careful not to drop, or hit magazines against things. Also, do not apply strong force to trays which have been withdrawn.
● Application of benzene, thinner, insecticide or other volatile liquids to a magazine may damage the surface, so keep magazines away from such substances.

AFFIXING LABELS TO 6-DISC MAGAZINE

● When affixing the supplied labels, make sure to affix them to the specified positions. If labels or tape are affixed to other than the specified positions, the magazine and player may not operate correctly.
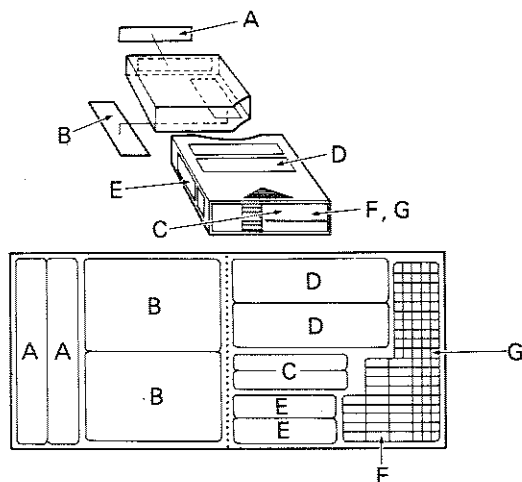
● Each label can be conveniently used as follows:
A: Titles
B: Names of stored discs and tracks
C: Titles
D: Names of stored discs
E,G,F: Classification
● Do not affix one label on top of another. (However, F and G may be affixed on top of label C.)

NOTE:
● *In order to play an 8-cm CD Single you will need a special Multi-Play Magazine (JD-M108) which is sold separately. Be sure to thoroughly read the Operating Instructions before using it.*
● *8-cm CD Single Adaptors*
It is possible that even an adaptor which meets recommended standard CD specifications will not be usable with the CD player. It is recommended that the special Multi-Play Magazine (JD-M108) be used.
● *Never load an 8-cm CD Single or its adaptor into a standard 12-cm magazine. This may seriously damage the CD player.*
● *Do not install only an 8-cm disc or only the adapter into the supplied single-disc magazine.*

About the CD magazines
JD-M100: Magazine for six 12-cm discs.
JD-M108: Magazine for six 8-cm discs.
● Both 12-cm discs and 8-cm discs cannot be installed together in a magazine.

MAINTENANCE

Use soft dry cloth to clean panels and cover.
In the case of heavy dirt, use soft damp cloth soaked in a neutral detergent solution and wipe with dry cloth.
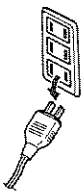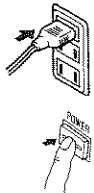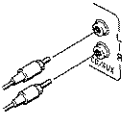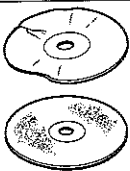Do not use volatile chemicals such as benzine, thinner or insecticide.

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TROUBLESHOOTING

Incorrect operations are often mistaken for trouble and malfunctions. If you think that there is something wrong with this component, check the points below. Sometimes the trouble may lie in another component. Investigate the other components and electrical appliances being used.
If the trouble cannot be rectified even after execising the checks listed below, ask your nearest PIONEER authorized service center or your dealer to carry out repair work.

Symptom	Probable cause	Remedy
Magazine is not expelled when EJECT key is pressed.	● Power plug is disconnected from outlet ● POWER switch is OFF.	● Connect plug to amplifier or wall outlet. ● Press POWER switch ON.
When playback is started, it stops immediately. Pauses or stops during playback.	● Disc is loaded upside down. ● Smudges on the disc, etc.	● Load the disc correctly with the label side DOWN. ● Press the PLAY or PAUSE key. ● Clean the fog from the disc and then play it again.
No sound	● Output cords are connected incorrectly or loosely. ● Incorrect operation of stereo amplifier. ● Pin plugs and/or amplifier terminals are dirty. ● Player is in pause mode.	● Connect properly. ● Check the settings of amplifier switches and sound volume controls. ● Clean away dirt. ● Press the PLAY key.
Sound is distorted, noise is output.	● Incorrect connections. ● Pin plugs and/or amplifier terminals are dirty. ● Interference is being picked up from a TV set.	● Connect to amplifier AUX or CD terminals. Do not connect to PHONO terminals. ● Clean away dirt. ● Switch OFF TV set, or move player away from TV set.
With certain discs, loud noise is produced, or play stops.	● Disc has a bad scratch or warp. ● Disc is extremely dirty.	● Replace the disc. ● Clean disc.
Remote control will not function	● Dead batteries. ● Too far from player or wrong angle. ● Obstruction between player and remote control unit.	● Replace batteries. ● The distance between remote control unit and player should be no more than about 7 meters The operational angle against the front panel is within 30° from right or left end of player. ● Relocate remote control unit or remove obstruction.